# KVR667D2S4P5/2GEF

## *2GB 256M x 72-Bit DDR2-667*
## *CL5 Registered w/Parity 240-Pin DIMM*

**DRAM Supported:**

| Elpida F-Die |
|---|

## DESCRIPTION:

This document describes ValueRAM's 256M x 72-bit 2GB (2048MB) DDR2-667 CL5 SDRAM (**S**ynchronous **DRAM**) "single rank" Registered w/Parity memory module. The components on this module include eighteen 256M x 4-bit DDR2-667 SDRAM in FBGA packages. This 240-pin DIMM uses gold contact fingers and requires +1.8V. The electrical and mechanical specifications are as follows:

## FEATURES:

| | |
|---|---|
| ☑ Clock Cycle Time (tCK) CL=5 | 3ns (min.) / 8ns (max.) |
| ☑ Row Cycle Time (tRC) | 60ns (min.) |
| ☑ Refresh to Active/Refresh Command Time (tRFC) | 127.5ns |
| ☑ Row Active Time (tRAS) | 45ns (min.) / 70,000ns (max.) |
| ☑ Single Power Supply of | +1.8V (+/- .1V) |
| ☑ Power | 3.978 W |
| ☑ UL Rating | 94 V - 0 |

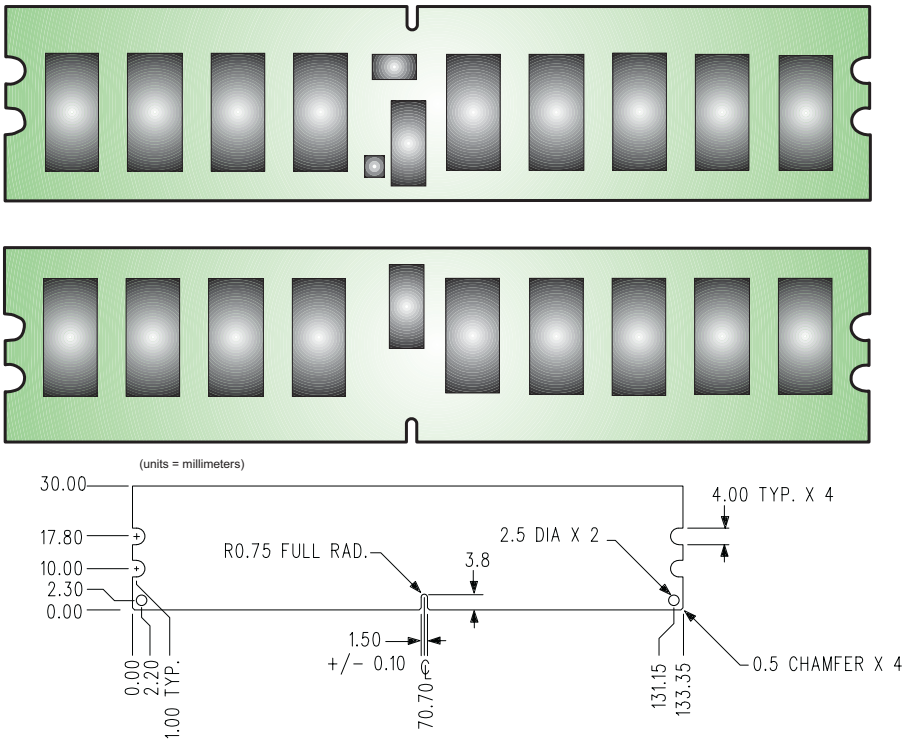


***Figure 1: KVR667D2S4P5/2GEF 240-Pin DIMM***